SECTION 00 91 01
ADDENDUM NUMBER 1

DATE: **AUGUST 28, 2017**

PROJECT: **ORCHARD VALLEY CLUBHOUSE HVAC RENOVATIONS**
2411 W ILLINOIS AVENUE
AURORA, ILLINOIS 60506

PROJECT NO: **17-253-1110**

OWNER: **FOX VALLEY PARK DISTRICT**
101 W ILLINOIS AVENUE
AURORA, ILLINOIS 60506

TO: **PROSPECTIVE BIDDERS / PLANHOLDERS OF RECORD**

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated August 15, 2017, with amendments and additions noted below. Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of two (2) pages, Document 00 43 36, and Drawing M300.

CHANGES TO BIDDING REQUIREMENTS

1.01 DOCUMENT 00 43 36 - PRPOSED SUBCONTRACTORS FORM

A. Delete this Dcoument in its entirety and replace with revised Document 00 43 36 - PROPOSED SUBCONTRACTORS FORM (attached). **Submit this revised Document with your bid in lieu of the original version of this Document.**

CHANGES TO SPECIFICATIONS

2.01 SECTION 23 81 29 - Variable Refrigerant Volume (VRV) HVAC System

A. Under Article 2.01 MANUFACTURERS:
   1. Delete Paragraph B and replace with the following:
      "B. Other acceptable manufacturers:
         1. Mitsubishi.
         2. LG.
         3. Carrier-Toshiba."

CHANGES TO THE DRAWINGS

3.01 DRAWING M300 - MECHANICAL FLOOR PLANS

A. Delete this Drawing in its entirety and replace with revised Drawing M300 - MECHANICAL FLOOR PLANS (attached).

END OF DOCUMENT 00 91 01

SECTION 00 43 36
PROPOSED SUBCONTRACTORS FORM

Herewith is the list of Subcontractors / Suppliers referenced in the bid submitted by:

(Bidder) _____

Dated _____ and which is an integral part of the Bid Form.

List one name for each line item. Failure to list the requested subcontractor or supplier, or listing multiple names will render the Bid "non-responsive" and the Bid will be subject to disqualification at the Owner's sole discretion. If Bidder will self-perform the work subject item, please enter the Bidder's name or write "self-perform" in the space provided.

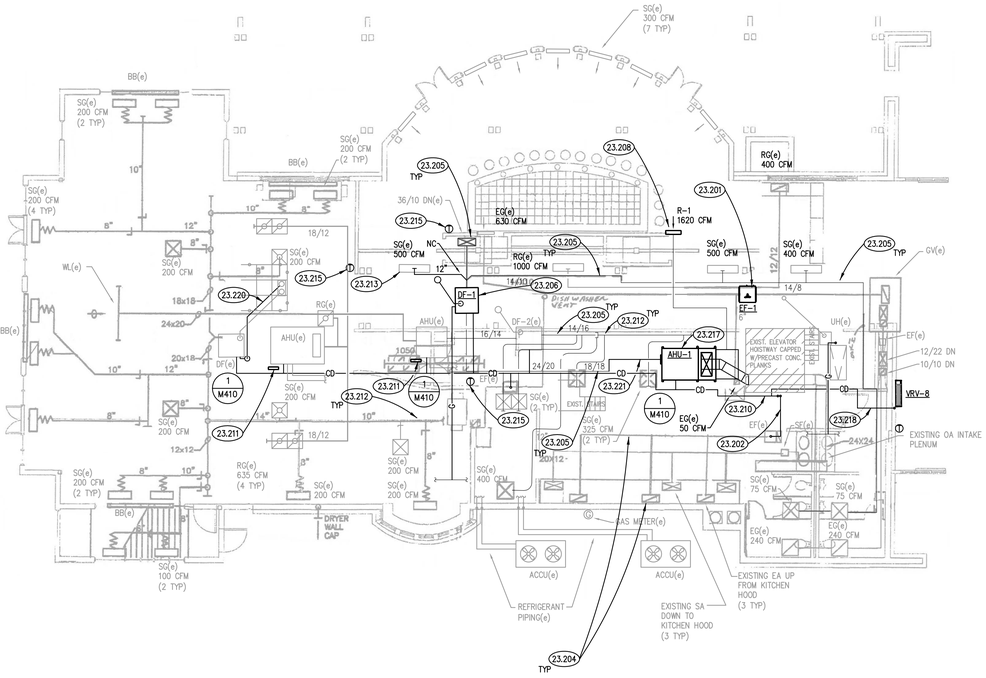
Bidder agrees that, if awarded the Contract for this Project, he will contract with the subcontractors and suppliers indicated below, and will not deviate without express written authorization from the Owner.

The following work will be self-performed, or performed by subcontractors, or provided by suppliers, and coordinated by us:

1.01 LIST OF SUBCONTRACTORS AND SUPPLIERS

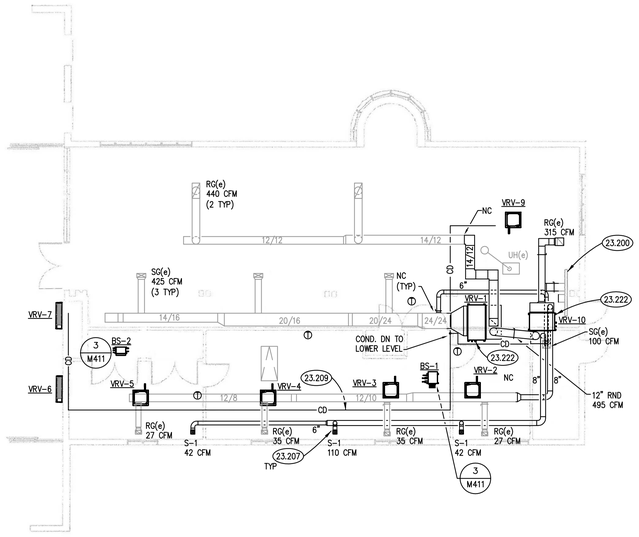
WORK SUBJECT		SUBCONTRACTOR / SUPPLIER NAME
A.	Masonry Contractor	_____
B.	General Trades / Carpentry Contractor	_____
C.	Mechanical Piping Contractor	_____
D.	Sheet Metal Contractor	_____
E.	Temperature Controls Contractor	_____
F.	Electrical Contractor	_____
G.	Testing and Balancing Contractor	_____

END OF DOCUMENT



ATTIC MECHANICAL PLAN (2)

SCALE: 1/8" = 1'-0"



KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

4.201 MASONRY ASSEMBLY: PATCH EXISTING CONCRETE MASONRY WALL AFTER DEMOLITION OF MECHANICAL DUCT. PROVIDE NEW, WHOLE ASTM C290 6" THICK NORMAL WEIGHT UNITS, AND PATCH WALL SO AS TO MAINTAIN EXISTING 2-HR FIRE RATING PER UL DESIGN NO. U906.

4.202 MASONRY ASSEMBLY: PATCH EXISTING CONCRETE MASONRY WALL AFTER DEMOLITION OF MECHANICAL DUCT. PROVIDE NEW, WHOLE ASTM C290 8" THICK NORMAL WEIGHT UNITS, AND PATCH WALL SO AS TO MAINTAIN EXISTING 3-HR FIRE RATING PER UL DESIGN NO. U907.

23.200 PROVIDE 12/12 DUCT CONNECTION FROM OUTSIDE AIR PLENUM TO THE RETURN SIDE OF VRV-10 TO SUPPLY 250 CFM OF OUTSIDE AIR. PROVIDE PERMANENT INSULATED CAP ON SECTION OF OUTDOOR AIR PLENUM NOT BEING USED.

23.201 PROVIDE NEW EXHAUST FAN. PROVIDE ALL MATERIALS AND LABOR TO CONNECT EXHAUST FAN TO EXISTING DUCTWORK.

23.202 PROVIDE NEW DRAIN PIPING FOR KITCHEN EXHAUST FAN. ROUTE PIPING BELOW ATTIC FLOORING AND DISCHARGE INTO MOP BASIN ON FIRST FLOOR BELOW.

23.204 ALL EXISTING KITCHEN EXHAUST HOOD DUCTWORK SHALL BE INSULATED.

23.205 ALL EXISTING SUPPLY AIR DUCTWORK SHALL BE INSULATED WITH ADDITIONAL EXTERIOR WRAP.

23.206 PROVIDE NEW DUCT FURNACE. PROVIDE ALL MATERIALS AND LABOR TO CONNECT DUCT FURNACE TO EXISTING DUCTWORK. PROVIDE NEW GAS VENT CONNECTION TO EXISTING VENT OPENING. PROVIDE DRIP PAN AND ASSOCIATED CONDENSATE PIPING UNDER NEW DUCT FURNACE. ROUTE NEW GAS PIPING OVERHEAD AS HIGH AS POSSIBLE.

23.207 PROVIDE NEW SUPPLY AIR DUCTWORK AND ASSOCIATED SUPPLY GRILLES.

23.208 PROVIDE NEW RETURN GRILLE. PROVIDE ALL TRANSITIONS AND FITTINGS TO CONNECT TO EXISTING DUCTWORK.

23.209 PROPOSED ROUTE OF CONDENSATE PIPING. ROUTE ALL CONDENSATE PIPING TO EXISTING CONDENSATE DRAIN. PROVIDE FUNNEL FITTING ON CONDENSATE PIPING TO ALLOW MULTIPLE PIPES TO DISCHARGE INTO CONDENSATE DRAIN. CONDENSATE PIPING SHALL BE INSULATED.

23.210 PROPOSED ROUTE OF NEW CONDENSATE PIPING. ROUTE CONDENSATE PIPING ALONG AIR HANDLING UNITS AND DISCHARGE INTO MOP BASIN ON FIRST FLOOR BELOW. ALL CONDENSATE PIPING SHALL BE INSULATED.

23.211 PROVIDE NEW TEMPERATURE CONTROL PANEL FOR AIR HANDLING UNIT. REFER TO DRAWING M410 FOR POINTS LISTED ON EXISTING DX 9100 CONTROLLERS. FIELD VERIFY EXACT POINTS AND SEQUENCES. PROVIDE POINTS AND SEQUENCES WITH CLOSEOUT DOCUMENTS.

23.212 DUCT TAKEOFFS NOT INSULATED PROPERLY. INSULATE AND SEAL DUCT TAKEOFFS.

23.213 PLENUM BOX INSULATION DAMAGED. RE-INSULATE PLENUM BOX.

23.214 PROVIDE NEW AIR-COOLED CONDENSING UNIT. PROVIDE CONDUIT FOR CONTROL WIRING FOR ACCU-1. PROVIDE NEW REFRIGERANT PIPING BETWEEN AIR-COOLED CONDENSING UNIT AND AIR-HANDLING UNIT. SIZE ALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

23.215 PROVIDE NEW THERMOSTAT FOR AIR HANDLING UNIT.

23.216 PROVIDE NEW PVC PIPE SLEEVE OF LARGER DIAMETER THAN EXISTING, AS REQUIRED TO ACCOMMODATE NEW INSULATED REFRIGERANT PIPING; ROUTE NEW SLEEVE UNDERGROUND, UNDER PAVER WALK ADJACENT TO NORTH SIDE OF BUILDING AND THROUGH FOUNDATION WALL; EXCAVATE AND REMOVE EXISTING PIPE SLEEVE, REMOVE AND REINSTALL EXISTING CONCRETE PAVER STONES AND BEDDING IN SECTION OF EXISTING WALK ABOVE SLEEVE; CORE LARGER HOLE THROUGH EXISTING FOUNDATION WALL; SEAL ANNULAR SPACE BETWEEN NEW SLEEVE AND EXISTING FOUNDATION WALL; SEAL ANNULAR SPACE BETWEEN REFRIGERANT LINES AND SLEEVE AT NORTH END OF SLEEVE.

23.217 PROVIDE NEW AIR HANDLING UNIT. NEW AIR HANDLING UNIT SHALL BE RAISED 12" ABOVE ATTIC FLOOR. PROVIDE ALL REQUIRED TRANSITIONS AND FITTINGS TO CONNECT NEW AIR HANDLING UNIT TO EXISTING DUCTWORK. NEW DUCTWORK AND FITTINGS SHALL BE INSULATED. (1)

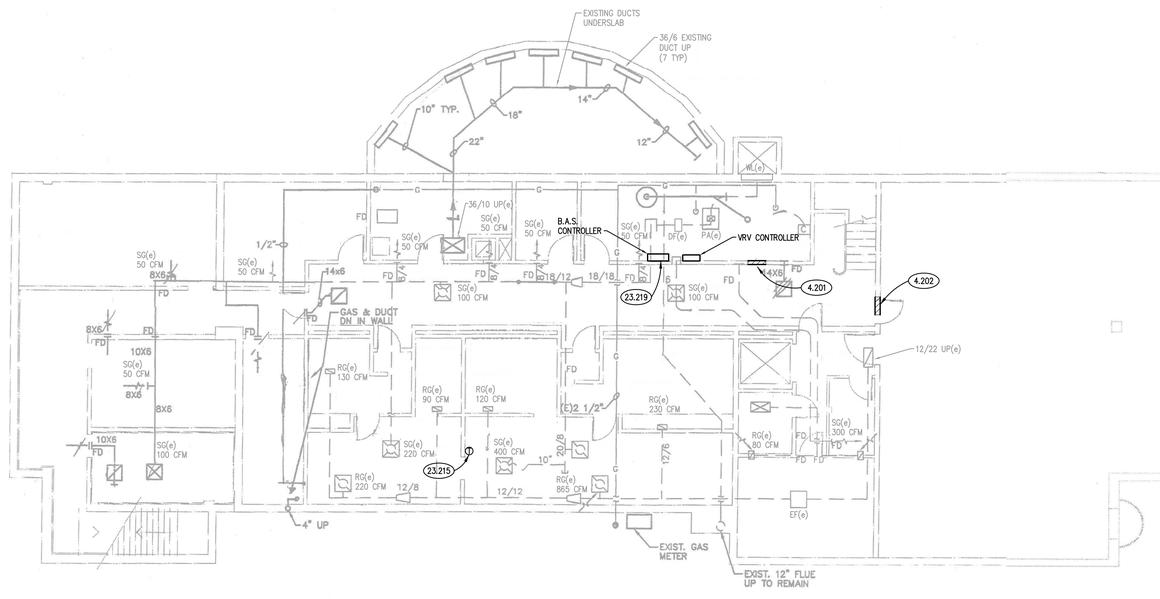
23.218 PROPOSED ROUTE OF CONDENSATE PIPING. ROUTE CONDENSATE PIPING OVERHEAD AS HIGH AS POSSIBLE. CONDENSATE PIPING SHALL BE INSULATED.

23.219 PROVIDE NEW TEMPERATURE CONTROL PANEL FOR PACKAGED AIR HANDLING UNIT. INTERFACE ALL EXISTING POINTS AND SEQUENCES INTO NEW BUILDING AUTOMATION SYSTEM. PROVIDE POINTS AND SEQUENCES WITH CLOSEOUT DOCUMENTS. COORDINATE WITH OWNER FOR ALL EQUIPMENT TAGS IN NEW B.A.S..

23.220 PROVIDE NEW COMBUSTION AIR INTAKE DUCTWORK FOR EXISTING DUCT FURNACE. ROUTE DUCT OVERHEAD TO MAXIMIZE SPACE ABOVE ACCESS HATCH. SIZE DUCT TO MATCH EXISTING.

23.221 PROVIDE ALL TRANSITIONS AND FITTINGS REQUIRED TO CONNECT TO EXISTING DUCTWORK. COORDINATE ROUTING OF DUCTWORK TO ACCOMMODATE NEW STAIRS.

23.222 MOUNT VRV UNIT AT SAME ELEVATION AS OLD AIR HANDLING UNIT.



BASEMENT MECHANICAL PLAN (1)

SCALE: 1/8" = 1'-0"

MECHANICAL GENERAL NOTES

1. REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.
2. ATTIC PLAN IS SHOWN OVER FIRST FLOOR FOR REFERENCE.
3. ALL PIPING AND DUCTWORK IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL REQUIRED FITTINGS, OFFSETS, DROPS AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM. COORDINATE WITH OTHER TRADES FOR SPACE AVAILABLE AND RELATIVE LOCATIONS OF EQUIPMENT, PIPING, DUCTWORK, ETC.
4. ALL TAPES AND MASTICS USED TO SEAL DUCTWORK LISTED AND LABELED IN ACCORDANCE WITH UL 181A SHALL BE MARKED ACCORDINGLY. ALL TAPES AND MASTICS USED TO SEAL FLEXIBLE DUCTS AND AIR CONNECTORS SHALL COMPLY WITH UL 181B AND MARKED ACCORDINGLY.
5. THERMOSTATIC CONTROLS OF EQUIPMENT SHALL HAVE A 5° F DEADBAND.
6. GENERALLY, SMALL DIAMETER PIPE RUNS FROM DRIPS, CONDENSATE PANS AND OTHER SERVICES ARE NOT SHOWN BUT MUST BE PROVIDED.
7. SPACE ALLOCATION, COORDINATION WITH ELECTRICAL, ARCHITECTURAL & OTHER MECHANICAL COMPONENTS HAVE BEEN MADE WITH RESPECT TO ALL EQUIPMENT SCHEDULED ON THESE DRAWINGS AND IN THE SPECIFICATIONS OF THE FIRST NAMED MANUFACTURER ONLY. OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET PERFORMANCE REQUIREMENTS AND AFOREMENTIONED COORDINATION.
8. DO NOT CUT THROUGH THE MASONRY BOND BEAMS OR OTHER STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL DUCTWORK, PIPING, CONDUITS OR OTHER WORK. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETRO-FIT/REINFORCING DEEMED NECESSARY TO REINSTATE THE CONTINUITY OF THE DISRUPTED ELEMENTS.
9. HEATING AND COOLING DESIGN LOADS FOR THE BUILDING HAVE BEEN CALCULATED WITH ELITE SOFTWARE, COMMERCIAL HVAC LOADS PROGRAM, VERSION 8.02.34, IN ACCORDANCE WITH ASHRAE STANDARDS. INTERIOR DESIGN TEMPERATURES ARE MAXIMUM 72 DEGREES F FOR HEATING AND A MINIMUM OF 75 DEGREES F FOR COOLING.
10. OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
11. ALL VRV/VRF PIPING SHALL BE LOCATED ABOVE CEILINGS UNLESS OTHERWISE NOTED OR COORDINATED WITH ARCHITECT/ENGINEER AND OWNER.
12. THE VRF SYSTEM INDICATED ON THE DRAWINGS INCLUDES MAJOR EQUIPMENT ONLY. NONE OF THE INTERCONNECTING PIPING IS SHOWN. THE CONTRACTOR IS RESPONSIBLE TO INCLUDE ALL LABOR AND MATERIAL FOR A FULLY OPERATION SYSTEM. ALL REFRIGERANT PIPING SHALL BE SIZED IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S REQUIREMENTS. ALL PIPING SHALL BE INSULATED THE ENTIRE LENGTH OF THE PIPING.

Kluber Architects + Engineers
Kluber, Inc.
Batavia, Illinois 60510
tel. 630.406.1213
Gurnee, Illinois 60031
tel. 847.336.3428
www.kluberinc.com

ORCHARD VALLEY CLUBHOUSE HVAC RENOVATIONS

FOX VALLEY PARK DISTRICT - ORCHARD VALLEY GOLF COURSE
2411 W. ILLINOIS AVE
AURORA, IL 60506

ISSUED	
08/15/17	BID DOCUMENTS
09/26/17	ADDENDUM NO. 1
1	

JOB NO.	17-253-1110
DRAWN	BWG
CHECKED	DDW
APPROVED	DDW

SHEET TITLE

MECHANICAL FLOOR PLANS

SHEET NUMBER

M300

P:\1110 - FVPD - Orchard Valley Clubhouse HVAC Renovations\30_Design\Dwgs\DD-CD\30_Mech\1110M300.dwg, 8/28/2017 3:57:41 PM, cdh